

**【ABSTRACT】**

The present invention relates to a cell differentiation regulating agent containing a gene regulating differentiation from stem cells into natural  
5 killer cells as an effective ingredient, more precisely, a cell differentiation regulating agent containing a gene regulating differentiation from stem cells into premature natural killer cells as an effective ingredient and a screening method of the gene by taking advantage of SAGE.

10 The gene of the present invention is a novel one that is confirmed not to be like any other known genes regulating differentiation from stem cells into natural killer cells. Though, the gene can be easily screened by SAGE and a natural killer cell differentiation-regulating agent  
15 containing the gene as an effective ingredient can be effectively used as an anticancer agent.